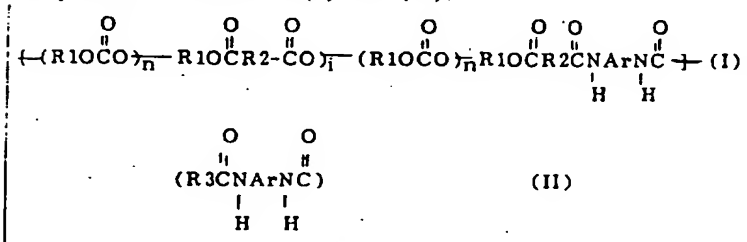
XP 002148961 P.2'1989 P (1)

89-337163/46 A23 ASAH 01.04.88
ASAHI CHEMICAL IND KK *J0 1252-640-A
01.04.88-JP-078242 *(09.10.89)* C08g-18/44 C08g-81
Aromatic polyamide-polycarbonate block copolymer - useful for elastomeric moulding compsns.
C89-149580

A(5-E6A, 5-F)
A0726

The block copolymer has ave mol. wt. 10,000-500,000 and comprises units formula (I) and (II):



(I)

(II)

R1 = 2-12C aliphatic glycolic acid residue;
R2 and R3 = 2-12C aliphatic or aromatic dicarboxylic acid residue;
Ar = aromatic diisocyanate residue.
n = 4-100 on ave and
i = 0-10 on average.

USE/ADVANTAGE

The copolymer is useful for moulding parts of motor cars, general machines, pneumatic equipment etc. The copolymer has superior heat resistance, light resistance, anti-hydrolysis property and oil resistance as thermoplastic resin endowed with an elastomeric nature.

EXAMPLE

An aliphatic polycarbonate diol was prepd. from 1,6-hexanediol (236g), 1,5-pentanediol (208g), metallic sodium (0.92g) and diethylcarbonate (236g) by reacting them at 95-200°C stepwise. Polycarbonate diol thus prepd. (200g) and succinic anhydride (19.1g) were reacted at 130°C for 2 hrs., so that polycarbonate with carboxyl gps. at both mol. terminals was obtd.

Aromatic polyamide/polycarbonate block copolymer was obtd. by reacting the polycarbonate prepd. as above (40g) adipic acid (8.7g) sulpholanic acid (230g) and diphenyl-methane-4,4'-diisocyanate (19.2g) in the presence of 1-phenyl-3-methyl-2-phosphorene-1-oxide 0.16g at 165°C for 3 hrs. (4ppW19ETDwgNo0/0). J01252640-A

89-337164/46 A13 D22 E32 (A60 A92) KOBA/01.04.88
KOBAYASHI T *J0 1252-641-A
01.04.88-JP-078091 *(09.10.89)* C08j-09/22
Disinfected polystyrene foam prodn. - by mixing silver ion-contg. zeolite with polystyrene beads during preforming
C89-149581

A(8-M2, 12-P1, 12-S1A) D(9-A1A) E(31-P2B)
A0727

Prodn. comprises mixing zeolite contg. Ag ions with polystyrene expandable beads in wt. ratio of 1 to 30% during prefoaming.

USE/ADVANTAGE - The polystyrene foam is used as containers for fuits, fish and perishables. The zeolite contg. Ag ions is easily and uniformly mixed with polystyrene beads, to provide polystyrene foam having sufficient sterlity.

In an example, Zeolite (20g) contg. Ag ions is mixed. with polystyrene expandable beads (100g) and they are thoroughly stirred so that the zeolite is attached to the surface of the polystyrene expandable beads. The treated polystyrene expandable beads are then moulded. (2pp Dwg.No.0/0)

XP 2148961